



**CLIENT: JOHNSON LAMINATING & COATING INC.**  
20631 Annalee Avenue  
Carson, CA 90746  
Attn: James Costere

**Test Report No: 651336-02**

**Date: August 31, 2006**

**SAMPLE ID:** The following test material was sampled and preparation of test samples witnessed by an SGS U.S. Testing Company Inc. representative at the Client's facility located in Carson, CA on May 31, 2006. The material was identified by the Client as:  
Safe Plus 7 Mil Thick Clear Window Film, SEC0736, Roll # 5092704-012-02 applied to twelve, 34-inch by 76-inch by 1/8-inch thick glass panels.

**DATE OF RECEIPT:** The sampled material was entered into SGS U.S. Testing Company sample tracking system on June 15, 2006 and was assigned Sample Tracking Number 40475.

**TESTING PERIOD:** June 21 through August 23, 2006.

**AUTHORIZATION:** Purchase Order No. 013465 dated May 25, 2006.

**TESTS REQUESTED:** Impact Test per Section 5.1.2 of ANSI Z 97.1-2004, Aging Test For Organic-Coated Glass per Section 5.4.2 of ANSI Z 97.1-2004 and Impact Test after Aging for Plastics and Organic-Coated Glass per Section 5.4.3 of ANSI Z 97.1-2004.

**TEST PROCEDURES:** See page 2.

**TEST RESULTS:** See page 2.

**CONCLUSION:** The sampled Safe Plus 7 Mil Clear Window Film complied with the requirements for Class B glazing material when subjected to the impact test in accordance with Section 5.1.2 of ANSI Z97.1-2004 before and after aging.

**ACCREDITATIONS:** City of Los Angeles RR No. 22277; International Accreditation Service (IAS) No. TL 220.

**Signed for and on behalf of  
SGS U.S. Testing Company Inc.**

Larry Burner  
Supervisor, Materials & Engineering

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## AGING TEST FOR ORGANIC-COATED GLASS PER SECTION 5.4.2 OF ANSI Z97.1-2004

**Procedure:** Four organic-coated glass specimens were vertically spaced 1-inch apart in an environmental chamber and subjected to 10 cycles consisting of raising the temperature to 140°F within 3 hours and maintaining for an additional 21 hours then lowering the temperature to 100°F and 95% relative humidity in 3 hours and maintaining for an additional 21 hours. At the completion of the tenth cycle, the temperature was lowered to 0°F in 3 hours and then maintaining for an additional 21 hours. At the end of the exposure cycling, the specimens were subjected to impact tests in accordance with Section 5.4.3 of ANSI Z97.1-2004. The remaining eight specimens were retained as controls for comparison with the exposed specimens. In addition, the specimens were also subjected to impact tests in accordance with Section 5.1.2 of ANSI Z97.1-2004.

**Requirements:** Some discoloration or miliness may develop, but defects other than these shall be cause for rejection.

### **Results:**

No discoloration or other defects were observed at the conclusion of the exposure cycle.

## IMPACT TEST PER SECTION 5.1.2 OF ANSI Z97.1-2004

**Procedure:** Testing was performed in accordance with Section 5.1.3 of ANSI Z97.1-2004. Each specimen was individually mounted in the test frame and impacted once from a height of 18 inches. Two specimens were impacted on the film side and two were impacted on the glass side.

**Requirements:** A glazing material shall be judged to pass the impact test, if any one of the criteria under Section 5.1.4 of ANSI Z97.1-2004 is met by each of the required number of impact specimens tested.

### **Results:**

Sample	Specimen #	Measured Thickness, (in)	Impact Height, (in)	Side of Impact	Pass / Fail
Control	1	0.125	18	Glass	Pass
Control	2	0.125	18	Glass	Pass
Control	3	0.124	18	Film	Pass
Control	4	0.126	18	Film	Pass
Aged	1	0.126	18	Glass	Pass
Aged	2	0.124	18	Glass	Pass
Aged	3	0.125	18	Film	Pass
Aged	4	0.124	18	Film	Pass

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End of Report